

**Notice of Allowability**

Application No.

09/867,791

Examiner

Kuen S. Lu

Applicant(s)

BOREHAM ET AL.

Art Unit

2167

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to June 13, 2005.
2. ☒ The allowed claim(s) is/are 5, 10-16, 20 and 25-30 (renumbered to 1, 2-8, 9, and 10-15, respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date #1 9-13-05.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
**MOHAMMAD ALI**  
**PRIMARY EXAMINER**



### **DETAILED ACTION**

After a thorough search and examination of the present application and in light of the prior art made of record, and Responses from the Applicant, Claims 5, 10-16, 20 and 25-30 are allowed.

1. This communication is responsible to the Amendments, filed on June 13, 2005.
2. The Examiner noted, considered and accepted the Affidavit(s) (Rule 131 or 132) or Exhibit(s), filed on June 13, 2005, which specifically declared the following:

David W. Boreham, Peter Rowley, and Mark C. Smith, conceived the content of the document entitled "Directory Server 5.0 Roles Overview" on or before August 19, 1999;

David W. Boreham wrote the document entitled "Directory Server 5.0 Roles Overview"; and

David W. Boreham, Peter Rowley, and Mark C. Smith, provided the content of pages 39 - 41, 168-173, 178-179, 180-181 (and any other pages that are directed to the subject matter disclosed in Patent Application Serial No. 09/867,595) of iPlanet to Kieran Cross Rowley, the technical writer of iPlanet, to write iPlanet.

***Examiner's Amendments***

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this Examiner's amendment, listed below, was given in a telephone interview with Mr. Ali Z. Dossa, on September 13, 2005. A copy of the interview summary is also attached.

4. Please replace the claims 1-30 which have been filed on December 10, 2004 with the new versions as shown follows:

1. (Currently Cancelled).

2. (Currently Cancelled).

3. (Currently Cancelled).

4. (Cancelled).

5. (Currently Amended) A computer implemented method of configuring a directory server comprising a plurality of entries, the method comprising the steps of:  
defining a class of service (CoS) attribute, wherein the CoS attribute includes a CoS Definition entry and a Template entry;  
associating the CoS attribute with a target entry that lies within a CoS scope of the CoS Definition entry and the Template entry; and  
providing an attribute value for the target entry based on the CoS Definition entry and the Template entry,  
wherein the CoS Definition entry is stored as an LDAP subentry below the branch at which the LDAP subentry is effective,  
wherein the CoS Definition entry identifies a CoS type being used,  
wherein the Template entry contains a list of attribute values that are shared, and

wherein the CoS scope is defined by the DN of the CoS Definition entry.

6. (Currently Cancelled).

7. (Currently Cancelled).

8. (Currently Cancelled).

9. (Currently Cancelled).

10. (Original) The method as in claim 5, wherein the presence or absence of the target entry's COS specifier determines whether the target entry may receive a COS value.

11. (Original) The method as in claim 5, wherein an attribute value stored in a COS Template determines what value a target entry may receive as a COS value.

12. (Original) The method as in claim 5, further comprising the step of:  
changing an attribute value in the Template entry.

13. (Original) The method as in claim 12, further comprising the step of:  
automatically applying the changed attribute value to all entries that share the attribute.

14. (Original) The method as in claim 13, wherein the changed attribute values are applied to an entry that shares the attribute at the time the entry is transmitted to an application.

15. (Original) The method as in claim 13, wherein the changed attribute values are applied to an entry that shares the attribute immediately prior to the time the entry is transmitted to the application.

16. (Currently Amended) A[[n]] computer network apparatus comprising:  
a directory server comprising:  
a first component configured to store a plurality of target entries;

a second component configured to facilitate sharing attributes of a first entry with other entries in a directory system; and

a third component configured to generate a value for at least one attribute of the first entry, wherein the at least one attribute may be shared with other entries in a manner that is transparent to an application,

wherein the third component comprises:

a fourth component configured to generate the at least one attribute at the time the entry is transmitted to the application,

a fifth component configured to generate the value of the at least one attribute immediately prior to the time the entry is transmitted to the application, and

a sixth component configured to generate the value based on a class of service logic, wherein the value provides information associated with a user of the application.

17. (Currently Cancelled).

18. (Currently Cancelled).

19. (Currently Cancelled).

20. (Currently Amended) A[[n]] computer network apparatus comprising:

a directory server comprising:

a first component configured to store a plurality of target entries; and

a second component configured to define a class of service (CoS) attribute for a target entry, the CoS attribute including a CoS Definition entry and a Template entry, whereby the CoS Definition entry and the Template entry interact to provide an attribute value to a target entry that lies within a CoS scope of the CoS Definition entry and the Template entry,

wherein the CoS Definition entry is stored as an LDAP subentry below the branch at which the LDAP subentry is effective,

wherein the CoS Definition entry identifies a CoS type being used,

wherein the Template entry contains a list of attribute values that are shared, and  
wherein the CoS scope is defined by the DN of the CoS Definition entry.

21. (Currently Cancelled).

22. (Currently Cancelled).

23. (Currently Cancelled).

24. (Currently Cancelled).

25. (Original) The apparatus as in claim 20, wherein the presence or absence of the target entry's COS specifier determines whether the target entry may receive a COS value.

26. (Original) The apparatus as in claim 20, wherein an attribute value stored in a COS template determines what value entry may receive as a COS value.

27. (Original) The apparatus as in claim 20, further comprising:

a component to change an attribute value in the template entry.

28. (Original) The apparatus as in claim 27, further comprising:

a component to automatically apply the changed attribute value to all entries that share the attribute.

29. (Original) The apparatus as in claim 27, wherein the changed attribute values are applied to an entry that shares the attribute at the time the entry is transmitted to an application.

30. (Original) The apparatus as in claim 27, wherein the changed attribute values are applied to an entry that shares the attribute immediately prior to the time the entry is transmitted to an application.

***Reason for Allowable***

5. The following is the Examiner's statement of reasons for allowance:

The prior art of record, iPlanet Directory Server Administrator's Guide (Version 5.0, April 2001, Sun Microsystems, Inc., hereafter "iPlanet"), has been utilized as the main prior art to reject the claimed subject matter in earlier Office Actions since October 20, 2003. During the year of 2004, the Applicant filed Affidavits/Declarations under 37 CFR 1.131 for declaring the claimed subject matter of Application of 09/867508 was conceived prior to the iPlanet reference. However, the Affidavits/Declarations have been ruled ineffective.

The new Affidavit(s) (Rule 131 or 132) or Exhibit(s) was filed on August 4, 2005, in which the Applicant declared the inventors are the effective author of the portions of iPlanet reference which were utilized by the Examiner for claims rejections. The

Affidavit(s) has been considered and accepted. Accordingly, the Affidavit(s) has overcome the Examiner's rejections based on the iPlanet reference.

In light of Applicant's new Affidavits, the prior arts in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) searches have been updated. The prior arts searched and investigated in domains (EAST, NPL-ACM, Google, NPL-IEEE, etc) do not fairly teach or suggest the teaching of the limitations of each of the independent Claims 5, 16 and 20.

The dependent Claims 11-16 and 26-30, depending claims 10 and 25, respectively, also distinct from the prior art for the same reason.

Any comments considered necessary by Applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

6. Any comments considered necessary by Applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".



**Contact Information**

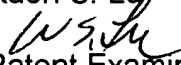
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuen S. Lu whose telephone number is (571) 272-4114. The examiner can normally be reached on Monday-Friday (8:00 am-5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kuen S. Lu  
  
Patent Examiner

September 13, 2005

  
Mohammad Ali  
Primary Examiner

September 13, 2005